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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/820,181	04/06/2004	Ying-Kin Tony Yip	MS#304540.01 (S099)	7363

38779 7590 12/04/2006

SENNIGER POWERS (MSFT)  
ONE METROPOLITAN SQUARE, 16TH FLOOR  
ST. LOUIS, MO 63102

EXAMINER
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WOO, ISAAC M

ART UNIT	PAPER NUMBER
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2166

DATE MAILED: 12/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/820,181

Applicant(s)

YIP ET AL.

Examiner

Isaac M. Woo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 06 November 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) 26-40 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>4/06/2004</u> | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This action is in response to Applicant's Election in response to the Election/Restriction requirement set forth in the October 05, 2006, filed on November 06, 2006.
2. Applicant elected Group I, claims 1-10 with traverse, filed on November 06, 2006. The traversal is on the ground(s) that the subject matter of all claims 1-25 (Group I-III) is sufficiently related that a through search for the subject matter of any one group of claims would encompass a search for the subject matter of the remaining claims. Thus, the search and examination of the entire application could be made without serious burden.

This is found persuasive and examiner agreed with the applicant. Thus, elected claims are 1-25 (group I-III)

Claims 1-40 are pending (claims 26-40, non-elected, are withdrawn).

Claims 1-25 are presented for examination for this office action.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-25 are rejected under 35 U.S.C. 102(e) as being anticipated by Morgan et al (U.S. Pub. No. 2005/0071754, hereinafter, "Morgan").

With respect to claim 1, Morgan teaches receiving a request from a user to implement a change in configuration data, the configuration data relating to an operation of a client (i.e., user changes the configuration data with GUI, page 4, section 0030, page 2, section 0019); storing the received request in a memory area (page 1, sections 0003-0008); requesting topology data from the memory area based on the configuration data, the topology data defining a relationship between the client and the configuration data (i.e., affected client is displayed by configuration data changes, page 6, sections 0047-0048); receiving the requested topology data from the memory area, the received topology data identifying the client (page 6, sections 0047-0048); identifying a notification service associated with the identified client (page 1, sections 0002-0011); and notifying the identified notification service of the change in the configuration data (page 5, sections 0044-48).

With respect to claim 2, Morgan teaches application program, a server, a service, and an operating system component (page 1, sections 0002-0009).

With respect to claim 3, Morgan teaches generating a notification manifest identifying the client, the notification manifest defining the change in configuration data and specifying the client affected by the change; generating a notification as a function of the notification manifest; and sending the notification to the memory area for access by the notification service (page 5, sections 0044-0048).

With respect to claim 4, Morgan teaches target configuration data, further comprising storing an instance of the target configuration data in the memory area and modifying the topology data to define a relationship between the target configuration data and the client (page 1, sections 0002-0009).

With respect to claim 5, Morgan teaches determining if the user has authority to change configuration data (page 1, sections 0002-0009).

With respect to claim 6, Morgan teaches application program, a server, a service, and an operating system component (page 5, sections 0044-0048).

With respect to claim 7, Morgan teaches changing configuration data of a back-end client, changing configuration data of a front-end client, changing configuration data of a monitoring client, or viewing configuration data of a second client (page 5, sections 0044-0048).

With respect to claim 8, Morgan teaches searching a second memory area to determine if the notification service notified the client of the change in configuration data (page 1, sections 0002-0009).

With respect to claims 9-10, Morgan teaches storing a record in a second memory area, the record indicating one or more of the following: a time that the request to change the configuration data is received, target configuration data, or an identification of the client (page 1, sections 0002-0009).

With respect to claim 11, Morgan teaches receiving a notification, the notification indicating a change in configuration data, the configuration data relating to an operation of the client (i.e., user changes the configuration data with GUI, page 4, section 0030, page 2, section 0019); obtaining a notification manifest from a memory area in response to the received notification, the notification manifest defining the change in the configuration data and specifying the client (i.e., notification to affected client is displayed by configuration data changes, page 6, sections 0047-0048); processing the obtained notification manifest to identify the client; and page 6, sections 0047-0048); and sending the notification manifest to the identified client (page 3, sections 0027-0029).

With respect to claim 12, Morgan teaches obtaining a notification manifest comprises querying a configuration database for the notification manifest (page 1, sections 0002-0009).

With respect to claim 13, Morgan teaches storing a record in a second memory are in response to sending the notification manifest, the stored record indicating that the client has been notified of the change in the configuration data (page 1, sections 0002-0009, page 3, sections 0027-0029).

With respect to claim 14, Morgan teaches the client is being notified of the change in the configuration data, that the client has been notified of the change in the configuration data, or that the change in the configuration data has been executed on the client (page 3, sections 0027-0029).

With respect to claims 15-16, Morgan teaches sending the notification manifest as an electronic mail message (page 3, sections 0027-0029, page 6, sections 0047-0048).

With respect to claim 17, Morgan teaches receiving a notification manifest from a notification service, the received notification manifest defining a change in configuration data (i.e., user changes the configuration data with GUI, page 4, section 0030, page 2, section 0019) specifying a client affected by the change in the configuration data (i.e., notification to affected client is displayed by configuration data changes, page 6,

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sections 0047-0048); processing the received notification manifest to identify the client (page 6, sections 0047-0048); determining a cache service associated with the identified client (page 4, sections 0036-0041); and notifying the determined cache service of the change in the configuration data to effect the change on the client (page 1, section 0004).

With respect to claim 18, Morgan teaches applying the change in the configuration data to a cache associated with the client (page 6, sections 0047-0048).

With respect to claim 19, Morgan teaches authenticating a source of the notification manifest (page 6, sections 0047-0048).

With respect to claim 20, Morgan teaches storing a record in a memory area in response to notifying the determined cache service, the record indicating that the client has been notified of the change or that the client has applied the change or both (page 6, sections 0047-0048).

With respect to claim 21, Morgan teaches a time stamp indicating a time associated with the notifying (page 6, sections 0047-0048).

With respect to claim 22, Morgan teaches storing previous configuration data of the client in a memory area, the previous configuration data indicating a previous



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configuration state of the client (page 6, sections 0047-0048, page 4, sections 0036-0041).

With respect to claim 23, Morgan teaches receiving a request to change the client from an existing configuration state to the previous configuration state, and wherein the change in the configuration data represents a change from the existing configuration data of the client to the previous configuration data (page 6, sections 0047-0048, page 4, sections 0036-0041).

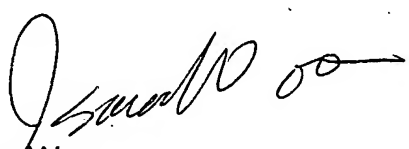
With respect to claims 24-25, Morgan teaches change in the configuration data represents a change in an operational state of the client, the operational state indicating whether the client is executing a service (page 4, sections 0036-0041, page 6, sections 0047-0048).

**Conclusion**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac M. Woo whose telephone number is (571) 272-4043. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on (571) 272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Isaac Woo  
November 27, 2006